Nov-15-04 02:13pm From-H B S R

Inc. +878-841-0186 T-670 P.002 F-118

	HAMILTON,	BROOK.	SMITH	& REY	MOLDS,	P.C.
017 E	HAMILE TOTIS					

POWER OF ATTORNEY OR	••
AUTHORIZATION OF AGENT	MD
CORRESPONDENCE ADDRES	;S

Application Number	10/813,904	
Filing Date	March 31, 2004	
First Named Inventor	Inin H. Kalfus	
Confirmation Number	5037	
Group Art Unit	3743	-
Examiner Name		
Attorney Dookst Number	3518.1023-000	

Title | HEAD-TO-HEAD CONNECTOR SPINAL FOXATION SYSTEM

I/We [X] [ }	hereby appoint the attorneys/agents associated with Customer No. 021005 Practitioner(s) named below:
appli there	ly/cur attorneys/agents to prosecute the application identified above, including any continuation or divisional cations thereof, and to transact all business in the United States Patent and Trademark Office connected awith.
The	correspondence address for the above-identified application is:
	Customer Number 021005
	Hamilton, Brook, Smith & Reynolds, P.C.
	530 Virginia Road
	P.O. Box 9133
	Concord, Massachusetts 01742-9133
[]	Other
-	
	ase direct all telephone calls and facsimiles to:  Tel No. 978-341-0036 Fax No. 978-341-0136
Nar	ne N. Scott Pierce Tel. No. 978-341-0036 Fax No. 978-341-0136
	n the:
	A P 10 contact
[ ]	•
[ X	Authorized representative of the Assignee, DePuy Spine, Inc., of the entire interest. See 37 C.F.R. § 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.
[]	Authorized representative of the Assignee, [ ], together with [ ], of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed.
	SIGNATURE of Applicant or Assignee of Record
Nan	ne & Title   David A. LANE, Assistant Secretary
Sign	nature the of female
Date	
	and the standard

MOUL 4E 0004 00.400M FOUL 1050 544 0170

02:14pm From-H B S R

Inc.

+978-341-0186 T-570 P.003/039 F-118



Docket No. 3518.1023-000

# STATEMENT UNDER 37 C.F.R. § 3.73(b)

David	Konieczyn	ski and Raymo	nd F. Murphy	711 47-12 Dutas March 21 2004
Applic	ation No./	Patent No.:	10/813,904	Filed/Issue Dute: March 31, 2004
or: <u>H</u>	EAD-TO-	HEAD CONNE	CTOR SPINAL F	IXATION SYSTEM
				Company
	DePuy!	Spino, Inc. (Name of Assignce)		(Type of Assigned, e.g., corporation, partnership, university, government agency, e.e.,)
		γ. <u>—</u> ,		
states 1 A.	that it is	the assignee of	f the entire right, t	itle and interest in the patent application identified above; or
В.	()	an assignee to above.		] of the entire right, title and interest in the patent application identified
				signee in the patent application identified above is established by virtue of:
A.[X	An ass and Tr	ignment from the	e inventor(s) of the at Reel	e patent application identified above. The assignment was recorded in the Paten, or a copy thereof is attached.
OR				
В. Г	] A chai	n of title from t	he inventor(s) of th	e patent application identified above, to the current assignce as shown below:
•	1.	~		Tal
	1.	The docume	nt was recorded in	the United States Patent and Trademark Office at or a copy thereof is attached.
	2.	From:		То:
		The docume	nt was recorded in	the United States Patent and Trademark Office at or a copy thereof is attached.
	3,	From:		To:
		The docume	nt was recorded in Frame	the United States Patent and Trademark Office at or a copy thereof is attached.
	[]	Additional docu	ments in the chain	of title are listed on a supplemental sheet.
The	undersign	ed (whose title	is suppli <b>cd below)</b>	is authorized to act on behalf of the assignee.
Date	a: <u>}</u> }	115/04		
Nan	ne: 01	AVIO LA	NE	
Title	A	sistant	Secretary	
Si~	٠	47.0	Paris	<del></del>
* 1 P			7 M AA /	

@PFDescopt:ODMA/MHOOMA/HBSR05;i/Manugu;510800;i

WHEREAS, we, Iain H. Kalfas, Carl Lauryssen, Steven Ludwig, Michael O'Brien, Thomas Doherty, Mark T. Hall, Bryan S. Jones, David Konieczynski, and Raymond F. Murphy, have invented a certain improvement in Head-to-Head Connector Spinal Fixation System described in an application for Patent,

ſJ	(use for utility (37 CFR $\S$ 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application;
[X]	the specification of which is United States Application No. 10/813,904, filed March 31, 2004;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
[]	which was patented under United States Patent No. [ ].

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below. Inventor's Signature: Iain H. Kalfas State/Commonwealth County of \_\_\_\_\_ On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 20\_\_\_\_\_, before me, the undersigned notary public, personally appeared Iain H. Kalfas, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. Notary Public (SEAL) (print name) My Commission expires / /

Inventor's Signature:			
State/Commonwealth		Carl Lau	ryssen
of			
County of		-	
•	f	, 20	, before me, the undersigned
personally known to n	ne, or		
proved to me through	satisfactory evidence	of identifica	ation, which was
to be the person whose name acknowledged that he/she sig			
(SEAL)			Notary Public
			(print name)
	My Commission ex	pires	
Inventor's Signature:			
State/Commonwealth		Steven L	udwig
of			
County of		-	
	f		, before me, the undersigned
personally known to n	ne, or		
proved to me through	satisfactory evidence	of identifica	ation, which was
to be the person whose name acknowledged that he/she sig			* <b>-</b>
(SEAL)			Notary Public
			(print name)
	Mỳ Commission ex	pires	

Inventor's Signature:	ichaell sur 10
Gr. 4 - / Gr 2 14h	Michael O'Brien
State/Commonwealth	
of ILLINOIS	
County of Cook	<del></del>
On this <u>/2</u> day of notary public, personally appe	eared Michael O'Brien,
personally known to m	e, or
proved to me through s  FLORIDA DRIVE	satisfactory evidence of identification, which was  R LICHS & # 0/65-546-54-214-0
to be the person whose name acknowledged that he/she sign	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Carice Milla Notary Public
OFFICIAL SEAL JANICE MILLS	JANICE MILLS (print name)
NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 2-16-2005	My Commission expires $02/16/3005$
Inventor's Signature:	
	Thomas Doherty
State/Commonwealth	
of	
County of	<del></del>
On this day of notary public, personally appe	
personally known to m	ne, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature:			
	-	Mark T. I	Hall
State/Commonwealth			
of			
County of	<u> </u>		
On this day o notary public, personally app	feared Mark T. Hall,	, 20	_, before me, the undersigned
personally known to n	ne, or		
proved to me through	satisfactory evidence o	of identificat	ion, which was
to be the person whose name acknowledged that he/she sig			
(SEAL)			Notary Public
			(print name)
	My Commission exp	ires/	
Inventor's Signature:			
		Bryan S. J	ones
G /G		Di yan 5. 5	
State/Commonwealth		Di yan 3. 3	
of		Diyan 3. 0	
of		Diyan S. 0	
of	f	, 20	_, before me, the undersigned
of County of day o	feared Bryan S. Jones,	, 20	
of day o notary public, personally app	feared Bryan S. Jones,	, 20	_, before me, the undersigned
of day o notary public, personally app personally known to n	feared Bryan S. Jones, ne, or satisfactory evidence of was signed on the fore	, 20 of identificat	, before me, the undersigned ion, which was ment in my presence, and
On this day o notary public, personally app  personally known to n  proved to me through  to be the person whose name	feared Bryan S. Jones, ne, or satisfactory evidence of was signed on the fore	, 20 of identificat	, before me, the undersigned ion, which was ment in my presence, and
On this day o notary public, personally app personally known to n proved to me through to be the person whose name acknowledged that he/she sig	feared Bryan S. Jones, ne, or satisfactory evidence of was signed on the fore	, 20 of identificat	, before me, the undersigned ion, which was ment in my presence, and s/her free act and deed.

Inventor's Signature:	
State/Commonwealth	David Konieczynski
State/Commonwealth	
of	
County of	
On this day or notary public, personally appe	f, 20, before me, the undersigned eared David Konieczynski,
personally known to m	ne, or
	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//
Inventor's Signature:	
0 /0	Raymond F. Murphy
State/Commonwealth	
of	<del></del>
County of	
On this day or notary public, personally app	
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//

WHEREAS, we, Iain H. Kalfas, Carl Lauryssen, Steven Ludwig, Michael O'Brien, Thomas Doherty, Mark T. Hall, Bryan S. Jones, David Konieczynski, and Raymond F. Murphy, have invented a certain improvement in Head-to-Head Connector Spinal Fixation System described in an application for Patent,

[]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application
[X]	the specification of which is United States Application No. 10/813,904, filed March 31, 2004;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
[]	which was patented under United States Patent No. [ ].

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at 325 **Paramount Drive**, **Raynham**, **Massachusetts** 02767-0350 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: Ran N- Kalfas
Iain H. Kalfas
State/Commonwealth,
of Opio
County of Cuploga
On this /// day of October, 2004, before me, the undersigned notary public, personally appeared Iain H. Kalfas,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Patricia Millowshi Notary Public
PATRICIA MIKINGSKI (print name)
My Commission expires 12/14/04

PATRICIA MIKLOWSKI
Notary Public, State of Ohio, Cuy. Cty.

Notary Public, State of Ohio, Cuy. Cty. My Commission Expires Dec. 14, 2004

Inventor's Signature:			
State/Commonwoolth		Carl Lau	ryssen
State/Commonwealth of			
-			
On this day o notary public, personally app	feared Carl Lauryssen	, 20	, before me, the undersigned
personally known to n	ne, or		
proved to me through	satisfactory evidence o	of identifica	tion, which was
to be the person whose name acknowledged that he/she sig	was signed on the fore ned the foregoing inst	egoing instr rument as h	rument in my presence, and is/her free act and deed.
(SEAL)			Notary Public
			(print name)
	My Commission exp	ires	
Inventor's Signature:			
0, 1, 10		Steven Lu	ıdwig
State/Commonwealth			
ofCounty of			
County of			
On this day o notary public, personally app		, 20	, before me, the undersigned
personally known to m	ne, or		
proved to me through	satisfactory evidence o	of identifica	tion, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing inst	egoing instr rument as h	rument in my presence, and is/her free act and deed.
(SEAL)			Notary Public
			(print name)
	My Commission exp	ires	

Inventor's Signature:	
	Michael O'Brien
State/Commonwealth	
of	
County of	· 
On this day o notary public, personally app	of, 20, before me, the undersigned beared Michael O'Brien,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and gned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Thomas Doherty
State/Commonwealth	·
Inventor's Signature:  State/Commonwealth  of	·
State/Commonwealth	·
State/Commonwealth of	f, 20, before me, the undersigned
State/Commonwealth of County of On this day o	f, 20, before me, the undersigned eared Thomas Doherty,
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to n	f, 20, before me, the undersigned eared Thomas Doherty,
State/Commonwealth of County of On this day o notary public, personally app  personally known to n  proved to me through to be the person whose name	f, 20, before me, the undersigned eared <b>Thomas Doherty</b> , ne, or
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to notary proved to me through  to be the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the state of the person whose name acknowledged that he/she significant in the state of t	f, 20, before me, the undersigned leared <b>Thomas Doherty</b> ,  ne, or  satisfactory evidence of identification, which was  was signed on the foregoing instrument in my presence, and
State/Commonwealth of County of On this day o notary public, personally app  personally known to n  proved to me through to be the person whose name	f

Inventor's Signature:	
	Mark T. Hall
State/Commonwealth	
of	·
County of	
•	f, 20, before me, the undersigned
personally known to m	ne, or
N [	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires/
Inventor's Signature:	
Inventor's Signature:	Bryan S. Jones
Inventor's Signature:  State/Commonwealth	Bryan S. Jones
	·
State/Commonwealth	·
State/Commonwealth of	f, 20, before me, the undersigned
State/Commonwealth of County of On this day of	f, 20, before me, the undersigned eared Bryan S. Jones,
State/Commonwealth  of  County of  On this day or notary public, personally apper  personally known to m	f, 20, before me, the undersigned eared Bryan S. Jones,
State/Commonwealth  of  County of  On this day of notary public, personally apper  personally known to meet through to be the person whose name	f, 20, before me, the undersigned eared Bryan S. Jones,
State/Commonwealth  of  County of  On this day of notary public, personally apper  personally known to meet through to be the person whose name	f, 20, before me, the undersigned eared Bryan S. Jones, ne, or satisfactory evidence of identification, which was was signed on the foregoing instrument in my presence, and
State/Commonwealth  of  County of  On this day of notary public, personally apper  personally known to meet to meet through to be the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the person whose name acknowledged that he/she significant in the state of the stat	f, 20, before me, the undersigned eared Bryan S. Jones, ne, or satisfactory evidence of identification, which was was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.

Inventor's Signature:	
State/Commonwealth	David Konieczynski
of	
County of	
On this day of notary public, personally appe	, 20, before me, the undersigned eared David Konieczynski,
personally known to m	e, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
•	My Commission expires//
Inventor's Signature:	
	Raymond F. Murphy
State/Commonwealth	
of	
County of	
On this day or notary public, personally appe	
personally known to m	ne, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//

WHEREAS, we, Iain H. Kalfas, Carl Lauryssen, Steven Ludwig, Michael O'Brien, Thomas Doherty, Mark T. Hall, Bryan S. Jones, David Konieczynski, and Raymond F. Murphy, have invented a certain improvement in Head-to-Head Connector Spinal Fixation System described in an application for Patent,

[]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application
[X]	the specification of which is United States Application No. 10/813,904, filed March 31, 2004;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
[]	which was patented under United States Patent No. [ ].

WHEREAS, DePuy Spine, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Ohio, and having a usual place of business at 325 Paramount Drive, Raynham, Massachusetts 02767-0350 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

•	-3.	Docket No. 35/18,1023-
Inventor's Signature		) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
State/Commonweal	th	Carl Lauryssen
	rnia Aprolos	
On this 15 notary public, person	day of Octobernally appeared Carl Lauryssen	$\frac{1}{n}$ , 20 $O$ , before me, the undersigned
personally ki	nown to me, or	
proved to me	through satisfactory evidence	of identification, which was
MICHELLE JUDY LER SEA Dynimission # 1399 Notary Public - Califo Los Angeles Coun My Comm. Expires Feb	ass with the subject of the subject	Notary Public  Level (print name)
My Comm. Expires res	My Commission exp	0 0 000
Inventor's Signature	My Commission exp	pires 2/9/2007
Inventor's Signature State/Commonweal	My Commission exp	2 2 2000
Inventor's Signature State/Commonweal of	My Commission exp	pires 2/9/2007
Inventor's Signature State/Commonweal of County of	My Commission exp	pires 2, 9, 2007
Inventor's Signature State/Commonweal of County of On this notary public, perso	My Commission exp	Steven Ludwig
Inventor's Signature State/Commonweal of County of On this notary public, perso personally kr	My Commission exp	Steven Ludwig
Inventor's Signature State/Commonweal of County of On this notary public, perso personally kr proved to me	My Commission exp  : : : : : : : : : : : : : : : : : :	Steven Ludwig
Inventor's Signature State/Commonweal of County of On this notary public, perso personally kr proved to me	My Commission exp  : : : : : : : : : : : : : : : : : :	Steven Ludwig
Inventor's Signature State/Commonweal of County of On this notary public, perso personally kn proved to me to be the person who acknowledged that h	My Commission exp  : : : : : : : : : : : : : : : : : :	Steven Ludwig

Inventor's Signature:	
0/0	Michael O'Brien
State/Commonwealth	
of	
County of	<del></del>
On this day o notary public, personally app	f, 20, before me, the undersigned eared Michael O'Brien,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
-	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
C4-4-/C	Thomas Doherty
State/Commonwealth	
of	<del></del>
County of	
On this day or notary public, personally app	
personally known to m	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//

Inventor's Signature:	
	Mark T. Hall
State/Commonwealth	
of	
County of	
On this day o notary public, personally app	f, 20, before me, the undersigned eared Mark T. Hall,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires/
Inventor's Signature:	
	Bryan S. Jones
Inventor's Signature:  State/Commonwealth	Bryan S. Jones
	·
State/Commonwealth	·
State/Commonwealth of	f, 20, before me, the undersigned
State/Commonwealth of County of On this day o	f, 20, before me, the undersigned eared Bryan S. Jones,
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to n	f, 20, before me, the undersigned eared Bryan S. Jones,
State/Commonwealth  of  County of  On this day or notary public, personally app  personally known to not proved to me through  to be the person whose name	f, 20, before me, the undersigned eared Bryan S. Jones, ne, or
State/Commonwealth  of  County of  On this day or notary public, personally app  personally known to not proved to me through  to be the person whose name	f, 20, before me, the undersigned eared Bryan S. Jones, ne, or satisfactory evidence of identification, which was was signed on the foregoing instrument in my presence, and
State/Commonwealth  of  County of  On this day or notary public, personally app  personally known to meet through  to be the person whose name acknowledged that he/she sign	f

Inventor's Signature:			
State/Commonwealth	I	David Konie	eczynski
of			
County of			
On this day o notary public, personally app	feared <b>David Koniecz</b>	, 20 ynski,	, before me, the undersigned
personally known to n	ne, or		
proved to me through	satisfactory evidence	of identifica	tion, which was
to be the person whose name acknowledged that he/she sig	was signed on the for ned the foregoing inst	egoing instrument as h	ument in my presence, and is/her free act and deed.
(SEAL)			Notary Public
•			(print name)
•	My Commission exp	oires	//
Inventor's Signature:			
State/Commonwealth	R	aymond F.	Murphy
State/Commonwealth			
of			
County of			
On this day or notary public, personally appe			, before me, the undersigned
personally known to m	ne, or		•
proved to me through	satisfactory evidence	of identificat	tion, which was
to be the person whose name acknowledged that he/she sig			
(SEAL)			Notary Public
•			(print name)
	My Commission exp	oires	

WHEREAS, we, Iain H. Kalfas, Carl Lauryssen, Steven Ludwig, Michael O'Brien, Thomas Doherty, Mark T. Hall, Bryan S. Jones, David Konieczynski, and Raymond F. Murphy, have invented a certain improvement in Head-to-Head Connector Spinal Fixation System described in an application for Patent,

[]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application
[X]	the specification of which is United States Application No. 10/813,904, filed March 31, 2004;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
[]	which was patented under United States Patent No. [ ].

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

date set forth below.			
Inventor's Signature:			
State/Commonwealth		Iain H. K	alfas
of		4	
County of			
On this day on the day of t	······································	, 20	, before me, the undersigned
personally known to n	ne, or		
proved to me through	satisfactory evidence of	identifica	tion, which was
to be the person whose name acknowledged that he/she sig		_	
(SEAL)			Notary Public
			(print name)
	My Commission expire	es	//

Inventor's Signature:
Carl Lauryssen State/Commonwealth
of
County of
On this day of, 20, before me, the undersigned notary public, personally appeared Carl Lauryssen,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Notary Public
(print name)
My Commission expires//
Inventor's Signature:
State/Commonwealth  of Maryland
County of Baltimore City
On this day of, 2004_, before me, the undersigned notary public, personally appeared Steven Ludwig,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
o be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.  SEAL)  Notary Public
Elizabeth T. Albert (print name)
My Commission expires 4 / 12 /05

Inventor's Signature:	
State/Commonwealth	Michael O'Brien
	•
of	•
County of	
On this day on the contact of	of, 20, before me, the undersigned beared Michael O'Brien,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
<del>-</del>	was signed on the foregoing instrument in my presence, and gned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
2	Thomas Doherty
State/Commonwealth	
of	· ·
County of	·
On this day of notary public, personally app	
personally known to m	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//

Inventor's Signature:		
State/Commonwealth	Mark T. Hall	
of		
County of		
On this day on the contact of	f, 20, before me, the undersigned eared Mark T. Hall,	d
personally known to r	ne, or	
proved to me through	satisfactory evidence of identification, which was	
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.	
(SEAL)	Notary Public	
	(print name)	
	My Commission expires/	
Inventor's Signature:		
Inventor's Signature:	Bryan S. Jones	
Inventor's Signature:  State/Commonwealth	Bryan S. Jones	
State/Commonwealth		
State/Commonwealth of	f, 20, before me, the undersigned	l
State/Commonwealth of County of On this day o	f, 20, before me, the undersigned eared Bryan S. Jones,	l
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to n	f, 20, before me, the undersigned eared Bryan S. Jones,	l
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to n  proved to me through  to be the person whose name	f, 20, before me, the undersigned eared Bryan S. Jones,	l
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to n  proved to me through  to be the person whose name	f, 20, before me, the undersigned eared Bryan S. Jones,  ne, or satisfactory evidence of identification, which was  was signed on the foregoing instrument in my presence, and	l
State/Commonwealth  of  County of  On this day o notary public, personally app  personally known to not proved to me through  to be the person whose name acknowledged that he/she significant provides to be the person whose name acknowledged that he/she significant provides to be the person whose name acknowledged that he/she significant provides to be the person whose name acknowledged that he/she significant provides the person whose name acknowledged that he/she significant provides the person whose name acknowledged that he/she significant provides the person whose name acknowledged that he/she significant provides the person whose name acknowledged that he/she significant provides the person whose name acknowledged that he/she significant provides the person whose name acknowledged that he/she significant provides the person provides the person whose name acknowledged that he/she significant provides the person provides the person whose name acknowledged that he/she significant provides the person provides the person whose name acknowledged that he/she significant provides the person provides the person whose name acknowledged that he/she significant provides the person provides the person whose name acknowledged that he/she significant provides the person	f	

Inventor's Signature:	
State/Commonwealth	David Konieczynski
of	
On this day on the contary public, personally appropriately approp	of, 20, before me, the undersigned beared <b>David Konieczynski</b> ,
personally known to r	ne, or
	satisfactory evidence of identification, which was
-	was signed on the foregoing instrument in my presence, and gned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires/
Inventor's Signature:	
State/Commonwealth	Raymond F. Murphy
of	
County of	
On this day o	f, 20, before me, the undersigned
notary public, personally app	eared Raymond F. Murphy,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//

WHEREAS, we, Iain H. Kalfas, Carl Lauryssen, Steven Ludwig, Michael O'Brien, Thomas Doherty, Mark T. Hall, Bryan S. Jones, David Konieczynski, and Raymond F. Murphy, have invented a certain improvement in Head-to-Head Connector Spinal Fixation System described in an application for Patent,

[]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application;
[X]	the specification of which is United States Application No. 10/813,904, filed March 31, 2004;
	the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
[]	which was patented under United States Patent No. [ ].

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WE date set forth below.	IEREOF, we have her	eunto set ou	r hands and affixed our seals the
Inventor's Signature:			
State/Commonwealth		Iain H. K	.alias
of			
Country of			
On this day o			, before me, the undersigned
personally known to n	ne, or	·	
proved to me through	satisfactory evidence	of identifica	tion, which was
to be the person whose name acknowledged that he/she sig	was signed on the for ned the foregoing ins	regoing instr trument as h	ument in my presence, and is/her free act and deed.
(SEAL)			Notary Public
			(print name)
	My Commission exp	oires	<u>/</u>

Inventor's Signature:	A
State/Commonwealth	Carl Lauryssen
County of	
on this day of notary public, personally app	f, 20, before me, the undersigned eared Carl Lauryssen,
personally known to m	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//
Inventor's Signature:	
<del>.</del>	Steven Ludwig
State/Commonwealth	
State/Commonwealth of	
State/Commonwealth of County of	· · · · · · · · · · · · · · · · · · ·
State/Commonwealth of County of	f, 20, before me, the undersigned
State/Commonwealth of County of On this day or	f, 20, before me, the undersigned eared Steven Ludwig,
State/Commonwealth  of County of On this day or notary public, personally app  personally known to m	f, 20, before me, the undersigned eared Steven Ludwig,
State/Commonwealth  of  County of  On this day or notary public, personally app  personally known to meet through  to be the person whose name	f, 20, before me, the undersigned eared Steven Ludwig, ne, or
State/Commonwealth  of  County of  On this day or notary public, personally app  personally known to meet through  to be the person whose name	f, 20, before me, the undersigned eared Steven Ludwig, ne, or satisfactory evidence of identification, which was was signed on the foregoing instrument in my presence, and
State/Commonwealth  of  County of  On this day or notary public, personally app  personally known to m  proved to me through  to be the person whose name acknowledged that he/she sig	f

Inventor's Signature:	
	Michael O'Brien
State/Commonwealth	
of	
County of	· ·
On this day or notary public, personally app	f, 20, before me, the undersigned eared Michael O'Brien,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Thomas Doherty
State/Commonwealth	
of	
County of	· ·
On this day o notary public, personally app	f, 20, before me, the undersigned eared Thomas Doherty,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature:	
	Mark T. Hall
State/Commonwealth	
of	
County of	
On this day of notary public, personally appe	, 20, before me, the undersigned eared Mark T. Hall,
personally known to m	ne, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
•	My Commission expires/
Inventor's Signature:	B_5V 1112104
	Bryan S. Jones
State/Commonwealth of Massachuset	<i>l</i> ≥/
County of Bristal	
On this <u>and</u> day o notary public, personally app	f Noumber, 20 H, before me, the undersigned eared Bryan S. Jones,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and gned the foregoing instrument as his/her free act and deed.
(SEAL)	Amy Schick Notary Public
	Amul Schick (print name)
	My Commission expires 1 1 211 2011

Inventor's Signature:	
	David Konieczynski
State/Commonwealth	
ofCounty of	
On this day of notary public, personally appe	f, 20, before me, the undersigned eared <b>David Konieczynski</b> ,
personally known to m	ne, or
	satisfactory evidence of identification, which was
to be the person whose name	was signed on the foregoing instrument in my presence, and ned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
•	(print name)
	My Commission expires//
Inventor's Signature:	Raymond F. Murphy
State/Commonwealth	
of	·
County of	
On this day o notary public, personally app	f, 20, before me, the undersigned eared Raymond F. Murphy,
personally known to n	ne, or
proved to me through	satisfactory evidence of identification, which was
to be the person whose name acknowledged that he/she sig	was signed on the foregoing instrument in my presence, and end the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires/

WHEREAS, we, Iain H. Kalfas, Carl Lauryssen, Steven Ludwig, Michael O'Brien, Thomas Doherty, Mark T. Hall, Bryan S. Jones, David Konieczynski, and Raymond F. Murphy, have invented a certain improvement in Head-to-Head Connector Spinal Fixation System described in an application for Patent,

the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
is about to be filed in the United States Patent Office as a Provisional Application;
the specification of which is United States Application No. 10/813,904, filed March 31, 2004;
the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
which was patented under United States Patent No. [ ].

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at 325 **Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

Inventor's Signature:	
	Carl Lauryssen
State/Commonwealth	
of	
County of	· · ·
On this day of notary public, personally appeared Carl Lau	ryssen,
personally known to me, or	
proved to me through satisfactory evid	
to be the person whose name was signed on acknowledged that he/she signed the foregoi	the foregoing instrument in my presence, and ng instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
My Commissi	ion expires/
Inventor's Signature:	
	Steven Ludwig
State/Commonwealth	
of	
County of	<del></del>
On this day of notary public, personally appeared <b>Steven I</b>	, 20, before me, the undersigned Ludwig,
personally known to me, or	
proved to me through satisfactory ev	
to be the person whose name was signed on acknowledged that he/she signed the forego	the foregoing instrument in my presence, and ing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
My Commiss	sion expires/

Inventor's Signature:	
	Michael O'Brien
State/Commonwealth	
of	<del></del>
County of	
On this day of notary public, personally appeared M	, 20, before me, the undersigned lichael O'Brien,
personally known to me, or	
proved to me through satisfac	tory evidence of identification, which was
to be the person whose name was sig acknowledged that he/she signed the	ned on the foregoing instrument in my presence, and foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
My Co	ommission expires/
Inventor's Signature:	WV OH 10/5/04
	Thomas Doherty
1.1	A MODING 2 0 = 1 - 1
State/Commonwealth	
of <u>Massachusetts</u>	
of <u>Massachusetts</u> County of <u>Bristòl</u>	
of <u>Massachusetts</u>	below, 2004, before me, the undersigned
of <u>Massachusetts</u> County of <u>Bristol</u> On this 5 <sup>th</sup> day of <u>Oct</u>	below, 2004, before me, the undersigned
of Massachusetts  County of Bristol  On this 5th day of Ornotary public, personally appeared T  personally known to me, or	below, 2004, before me, the undersigned
of Massachusetts  County of Bristol  On this 5th day of 007  notary public, personally appeared T  personally known to me, or  proved to me through satisfact  to be the person whose name was six	hope , 20 04, before me, the undersigned Chomas Doherty,
of Massachusetts  County of Bristol  On this 5th day of 007  notary public, personally appeared T  personally known to me, or  proved to me through satisfact  to be the person whose name was six	hober, 2004, before me, the undersigned chomas Doherty,
of Masachusetts  County of Bristol  On this 5th day of 00000000000000000000000000000000000	thomas Doherty,  etory evidence of identification, which was  gned on the foregoing instrument in my presence, and etoregoing instrument as his/her free act and deed.

Inventor's Signature:	
Mark T. Hall	
State/Commonwealth	
of Massachusetts	
County of Bustal	
On this, 2004, before me, the notary public, personally appeared Mark T. Hall,	he undersigned
personally known to me, or	
proved to me through satisfactory evidence of identification, which was	
to be the person whose name was signed on the foregoing instrument in my preacknowledged that he/she signed the foregoing instrument as his/her free act ar	esence, and nd deed.
(SEAL) Patricea Aubler Notary Public	
Patricia A. Hubler (print name)	
My Commission expires <u>08   09   2007</u>	
Turnetania Signatura:	1015/04
Inventor's Signature.	1015/04
Inventor's Signature:  Bryan S. Jones  State/Commonwealth	1015/04
State/Commonwealth  Bryan S. Jones	1015/04
State/Commonwealth  of Massachusetts	1015/04
State/Commonwealth of Massachusetts  County of Bristol	
State/Commonwealth  of Massachusetts	
State/Commonwealth  of Massachusetts  County of Bristol  On this 5th day of October 20, before me, to	
State/Commonwealth  of <u>Massachusetts</u> County of <u>Bristol</u> On this <u>5th</u> day of <u>October</u> , 20, before me, notary public, personally appeared <b>Bryan S. Jones</b> ,	the undersigned
State/Commonwealth  of   Massachusetts  County of   Bryan S. Jones  State/Commonwealth  of   Massachusetts  County of   Brystol  On this   5th day of   October   notary public, personally appeared Bryan S. Jones,  personally known to me, or	the undersigned
State/Commonwealth  of   Massachusetts  County of   Bristol  On this   personally appeared Bryan S. Jones,  personally known to me, or  proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my pracknowledged that he/she signed the foregoing instrument as his/her free act a   Notary Public	the undersigned s resence, and and deed.
State/Commonwealth  of   Massachusetts  County of   Bristol  On this   personally appeared Bryan S. Jones,  personally known to me, or  proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my pracknowledged that he/she signed the foregoing instrument as his/her free act a   Notary Public	the undersigned s resence, and and deed.
State/Commonwealth  of Massachusetts  County of Bristol  On this 5th day of October, 20, before me, notary public, personally appeared Bryan S. Jones,  personally known to me, or  proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my pracknowledged that he/she signed the foregoing instrument as his/her free act a Notary Public	the undersigned  s resence, and and deed.

Inventor's Signature: 10/6/04
David Konieczynski
State/Commonwealth (/
of Massachusetts;
County of Bristol
On this
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Tatricia de les Notary Public
Patricia Hubler (print name)
My Commission expires 08 109 12007
Inventor's Signature:     Markly   10/5/04     Raymond F. Murphy
·
State/Commonwealth
of Massachuseas
of <u>Massachusetts</u> County of <u>Bristel</u>
On this day of
On this 5th day of ottober, 2007, before me, the undersigned
On this